AN 1998:709071 CAPLUS
DN 129:330728
TI Preparation of substituted imidazoles useful in the treatment of inflammatory diseases
IN Beers, Scott A.; Malloy, Elizabeth; Wachter, Michael P.; Wu, Wei
PA Ortho-McNeil Corporation, Inc., USA
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9847892	A1	19981029	WO 1998-US7910	19980417
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9871382	A1	19981113	AU 1998-71382	19980417
	US 5965583	A	19991012	US 1998-62304	19980417
	BR 9808998	A	20000808	BR 1998-8998	19980417
	EP 1028954	A1	20000823	EP 1998-918463	19980417
	EP 1028954	B1	20030702		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	NZ 500447	A	20010928	NZ 1998-500447	19980417
	JP 2001522357	T2	20011113	JP 1998-546231	19980417
	ZA 9803451	A	19991025	ZA 1998-3451	19980423
	US 6214830	B1	20010410	US 1999-295156	19990420
	NO 9905095	A	19991209	NO 1999-5095	19991019
	MX 9909811	A	20000731	MX 1999-9811	19991025
	US 6521655	B1	20030218	US 2000-705508	20001103
PRAI	US 1997-44252P	P	19970424		
	US 1998-62304	A3	19980417		
	WO 1998-US7910	W	19980417		
	US 1999-295156	A3	19990420		

OS MARPAT 129:330728
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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RWJ 67657

AN 1998:424256 CAPLUS
DN 129:81749
TI Preparation of annelated pyrimidinones and analogs as p38 kinase inhibitors
IN Bemis, Guy W.; Salituro, Francesco Gerald; Duffy, John Patrick; Cochran, John E.; Harrington, Edmund Martin; Murcko, Mark A.; et al.
PA Vertex Pharmaceuticals Inc., USA
SO PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9827098	A1	19980625	WO 1997-US23392	19971217
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5945418	A	19990831	US 1997-822373	19970320
	US 6147080	A	20001114	US 1997-862925	19970610
	AU 9856105	A1	19980715	AU 1998-56105	19971217
	AU 738000	B2	20010906		
	EP 951467	A1	19991027	EP 1997-952517	19971217
	EP 951467	B1	20030402		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CN 1244867	A	20000216	CN 1997-181382	19971217
	BR 9714415	A	20000418	BR 1997-14415	19971217
	NZ 336146	A	20000929	NZ 1997-336146	19971217
	JP 2001506266	T2	20010515	JP 1998-527975	19971217
	AT 236165	E	20030415	AT 1997-952517	19971217
	NO 9902960	A	19990817	NO 1999-2960	19990617
PRAI	US 1996-34288P	P	19961218		
	US 1997-822373	A	19970320		
	US 1997-862925	A2	19970610		
	WO 1997-US23392	W	19971217		

OS MARPAT 129:81749
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(VX 745)

AN 1998:636331 CAPLUS
DN 130:20195
TI 6-Amino-2-(4-fluorophenyl)-4-methoxy-3- (4-pyridyl)-1H-pyrrolo[2,3-b]pyridine (RWJ 68354): A Potent and Selective p38 Kinase Inhibitor
AU Henry, James R.; Rupert, Kenneth C.; Dodd, John H.; Turchi, Ignatius J.; Wadsworth, Scott A.; Cavender, Druie E.; Fahmy, Bohumila; Olini, Gilbert C.; Davis, Janet E.; Pellegrino-Gensey, J. Lee; Schafer, Peter H.; Siekierka, John J.
CS The R.W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA
SO Journal of Medicinal Chemistry (1998), 41(22), 4196-4198
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
CC 1-3 (Pharmacology)
Section cross-reference(s): 28
OS CASREACT 130:20195
AB The authors showed RWJ 68354 (I) to be a potent inhibitor of cellular p38 kinase activity (9 nM), LPS-stimulated tumor necrosis factor-.alpha. (TNF-.alpha.)/interleukin-1.beta. (IL-1.beta.) prodn. from human peripheral blood mononuclear cells (6.3 nM/26 nM) and LPS-induced TNF-.alpha. prodn. in mice (ED50 < 10 mg/kg) and in rats (ED50 < 25 mg/kg). I was shown to directly inhibit natural activated p38 and partially activated p38 kinase. Structure-activity relations of I with some analogs is described. Thus, I is a promising candidate for further preclin. evaluation.
ST RWJ 68354 p38 kinase inhibitor tumor necrosis factor release; interleukin 1 release RWJ 68354 p38 kinase inhibitor
IT Interleukin 1.beta.
Tumor necrosis factors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT Structure-activity relationship
(enzyme-inhibiting, p38 kinase-inhibiting; 6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT 208104-11-4P **215306-39-1P** 215307-08-7P 215307-19-0P
215307-20-3P 215307-22-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT 152121-47-6, SB 203580
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT 165245-96-5, p38 Kinase
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

(Biological study); PROC (Process)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)

IT 141-86-6, 2,6-Diaminopyridine 18960-98-0, 2,6-Diamino-4-methoxypyridine 152122-41-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Badger, A; J Pharmacol Exp Ther 1996, V279, P1453 CAPLUS
(2) Brennan, F; Curr Opin Immunol 1996, V8, P872 CAPLUS
(3) Camussi, G; Drugs 1998, V55, P613 CAPLUS
(4) Gallagher, T; Bioorg Med Chem 1997, V5, P49 CAPLUS
(5) Gallagher, T; Bioorg Med Chem Lett 1995, V5, P1171 CAPLUS
(6) Han, J; Science 1994, V265, P808 CAPLUS
(7) Henry, J; to be published in Tetrahedron Lett 1998, V39
(8) Krump, E; J Biol Chem 1997, V272, P937 CAPLUS
(9) Lee, J; Nature 1994, V372, P739 CAPLUS
(10) Markees, D; J Med Chem 1968, V11, P126 CAPLUS
(11) Murray, J; J Org Chem 1991, V56, P3734 CAPLUS
(12) Sawar, A; Drugs Today 1997, V33, P299 CAPLUS
(13) Wavefunction, Inc; Spartan version 5.0
(14) Wilson, K; Chem Biol 1997, V4, P423 CAPLUS

=>

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:709078 CAPLUS
DN 129:330657
TI Preparation of substituted pyrrolopyridines for the treatment of inflammatory diseases
IN Dodd, John H.; Henry, James R.; Rupert, Kenneth
PA Ortho-McNeil Corporation, Inc., USA
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9847899	A1	19981029	WO 1998-US7831	19980417
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9871329	A1	19981113	AU 1998-71329	19980417
	ZA 9803452	A	19991025	ZA 1998-3452	19980423
PRAI	US 1997-44244P	P	19970424		
	WO 1998-US7831	W	19980417		

OS MARPAT 129:330657
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:764924 CAPLUS
DN 130:95495
TI Synthesis of RWJ 68354: a potent inhibitor of the MAP kinase p38
AU Henry, James R.; Dodd, John H.
CS The R. W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA
SO Tetrahedron Letters (1998), 39(48), 8763-8764
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

AN 1997:140244 CAPLUS
DN 126:139901
TI Indolinone compounds capable of modulating tyrosine kinase signal transduction
IN Tang, Peng Cho; Sun, Li; Mcmahon, Gerald
PA Sugen, Inc., USA
SO PCT Int. Appl., 133 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9640116	A1	19961219	WO 1996-US8903	19960605
	W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, AM, AZ, BY				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5880141	A	19990309	US 1995-485323	19950607
	CA 2192797	AA	19961219	CA 1996-2192797	19960605
	AU 9660441	A1	19961230	AU 1996-60441	19960605
	AU 706597	B2	19990617		
	EP 769947	A1	19970502	EP 1996-918093	19960605
	EP 769947	B1	20010502		
	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	BR 9606410	A	19971230	BR 1996-6410	19960605
	JP 10504323	T2	19980428	JP 1996-501363	19960605
	EP 934931	A2	19990811	EP 1999-103667	19960605
	EP 934931	A3	19991020		
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	JP 2000026412	A2	20000125	JP 1999-159567	19960605
	AT 200863	E	20010515	AT 1996-918093	19960605
	ES 2159741	T3	20011016	ES 1996-918093	19960605
	JP 3231044	B2	20011119	JP 1997-501363	19960605
	NO 9605377	A	19970212	NO 1996-5377	19961213
	HK 1011933	A1	20020118	HK 1998-113193	19981211
	US 2002022626	A1	20020221	US 2000-617529	20000713
	US 2003108946	A1	20030612	US 2002-76621	20020219
PRAI	US 1995-485323	A	19950607		
	EP 1996-918093	A3	19960605		
	JP 1997-501363	A3	19960605		
	WO 1996-US8903	W	19960605		
	US 1997-915366	A3	19970820		
	US 2000-617529	B1	20000713		

OS MARPAT 126:139901

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NEWS 11	Apr 14	MEDLINE Reload
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NEWS 13	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 15	Apr 28	RDISCLOSURE now available on STN
NEWS 16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 18	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 19	May 19	Simultaneous left and right truncation added to WSCA
NEWS 20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 21	Jun 06	Simultaneous left and right truncation added to CBNB.
NEWS 22	Jun 06	PASCAL enhanced with additional data
NEWS 23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS 24	Jun 25	HSDB has been reloaded
NEWS 25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS 26	Jul 21	Identification of STN records implemented
NEWS 27	Jul 21	Polymer class term count added to REGISTRY
NEWS 28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available

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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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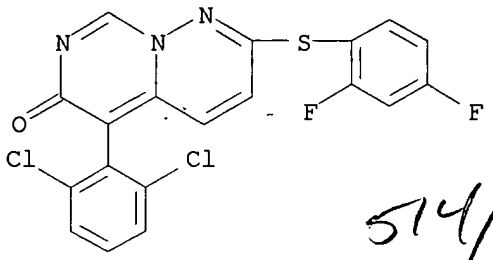
48 VX
1475 745
L1 1 VX 745
(VX(W)745)

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 209410-46-8 REGISTRY
CN 6H-Pyrimido[1,6-b]pyridazin-6-one, 5-(2,6-dichlorophenyl)-2-[(2,4-difluorophenyl)thio]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **VX 745**
FS 3D CONCORD
MF C19 H9 Cl2 F2 N3 O S
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, DRUGNL, DRUGUPDATES, SYNTHLINE, TOXCENTER, USPATFULL



514/252.02

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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11 REFERENCES IN FILE CAPLUS (1947 TO DATE)

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L3           1 RWJ 67657
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L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS on STN
RN   215303-72-3  REGISTRY
CN   3-Butyn-1-ol, 4-[4-(4-fluorophenyl)-1-(3-phenylpropyl)-5-(4-pyridinyl)-1H-
     imidazol-2-yl]- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   4-(4-Fluorophenyl)-2-(4-hydroxy-1-butynyl)-1-(3-Phenylpropyl)-5-(4-
     Pyridyl)imidazole
CN   RWJ 67657
FS   3D CONCORD
MF   C27 H24 F N3 O
SR   CA
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       TOXCENTER, USPATFULL
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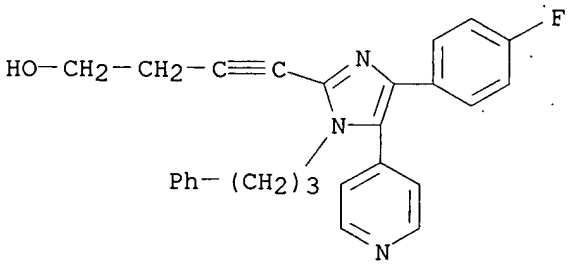
514/340



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L4   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS on STN
RN   215306-39-1  REGISTRY
CN   1H-Pyrrolo[2,3-b]pyridin-6-amine, 2-(4-fluorophenyl)-4-methoxy-3-(4-
     pyridinyl)- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   RWJ 68354
FS   3D CONCORD
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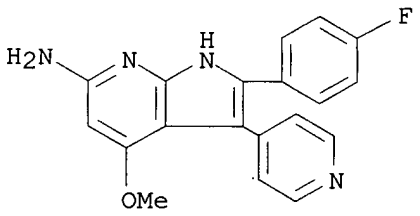

514/299

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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             10 REFERENCES IN FILE CAPLUS (1947 TO DATE)


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             2 336372
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=> s l5
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L6           1 ZM 336372
                 (ZM(W)336372)

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS on STN
RN   208260-29-1  REGISTRY
CN   Benzamide, 3-(dimethylamino)-N-[3-[(4-hydroxybenzoyl)amino]-4-
     methylphenyl]- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   ZM 336372
FS   3D CONCORD
MF   C23 H23 N3 O3
SR   CA
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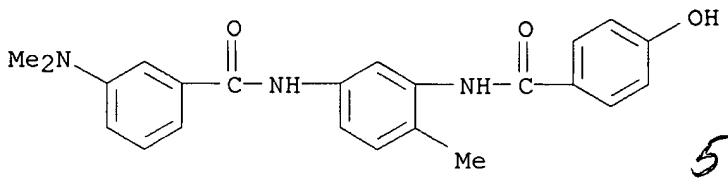
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL



514/616

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10 REFERENCES IN FILE CA (1947 TO DATE)
11 REFERENCES IN FILE CAPLUS (1947 TO DATE)

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           278 4984
L7           1 SU 4984
                (SU(W)4984)

=> d l7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS on STN
RN   186610-89-9  REGISTRY
CN   1-Piperazinecarboxaldehyde, 4-[4-[(1,2-dihydro-2-oxo-3H-indol-3-
     ylidene)methyl]phenyl]- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   3-[4-(1-Formylpiperazin-4-yl)benzylidenyl]-2-indolinone
CN   SU 4984
MF   C20 H19 N3 O2
CI   COM
SR   CA
LC   STN Files:   BIOSIS, CA, CAPLUS, CHEMCATS, SYNTHLINE, TOXCENTER, USPAT2,
       USPATFULL
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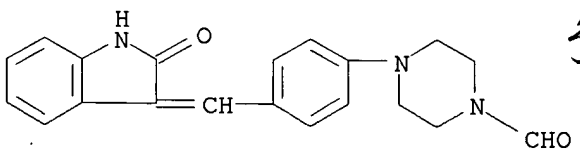

514/264.01

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

17 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
18 REFERENCES IN FILE CAPLUS (1947 TO DATE)

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             1 200765A
L8           1 RPR 200765A
                (RPR(W)200765A)

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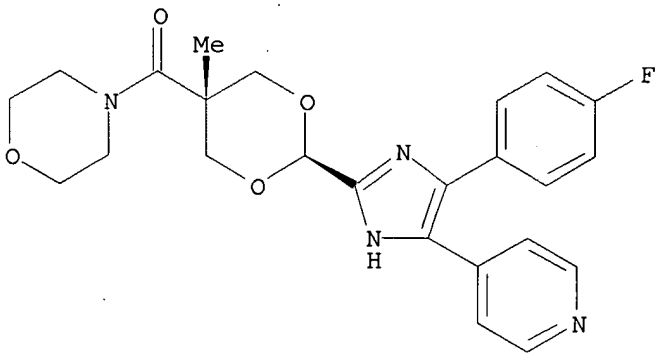
L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 218162-38-0 REGISTRY
CN Morpholine, 4-[[trans-2-[4-(4-fluorophenyl)-5-(4-pyridinyl)-1H-imidazol-2-yl]-5-methyl-1,3-dioxan-5-yl]carbonyl]-, monomethanesulfonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN **RPR 200765A**
FS STEREOSEARCH
DR 330600-84-5
MF C24 H25 F N4 O4 . C H4 O3 S
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, DRUGUPDATES, SYNTHLINE, TOXCENTER, USPATFULL

CM 1

CRN 218158-45-3
CMF C24 H25 F N4 O4

Relative stereochemistry.



514/396

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CRN 75-75-2
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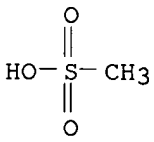

8 REFERENCES IN FILE CA (1947 TO DATE)
8 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	80.00	80.21

FILE 'CAPLUS' ENTERED AT 10:16:20 ON 23 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 23 Jul 2003 VOL 139 ISS 4
FILE LAST UPDATED: 22 Jul 2003 (20030722/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3             1 S L2
L4             1 S RWJ 68354
L5             1 S ZM 336372
L6             1 S L5
L7             1 S SU 4984
L8             1 S RPR 200765A

     FILE 'CAPLUS' ENTERED AT 10:16:20 ON 23 JUL 2003

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=> s l2
L10           11 L2

=> s l4
L11           10 L4

=> s l5
L12           11 L5

=> s l7
L13           18 L7

=> s l8
L14            8 L8

=> e influenza
E1             2     INFLUENYAE/BI
E2             3     INFLUENZ/BI
E3         17468 --> INFLUENZA/BI
E4             1     INFLUENZA3/BI
E5             3     INFLUENZAA/BI
E6             1     INFLUENZAAND/BI
E7             1     INFLUENZAB/BI
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E8            1     INFLUENZAD/BI
E9         6940     INFLUENZAE/BI
E10           1     INFLUENZAEAND/BI
E11           1     INFLUENZAERICE/BI
E12           1     INFLUENZAES/BI

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         17468 INFLUENZA/BI
             1 INFLUENZA3/BI
             3 INFLUENZAA/BI
             1 INFLUENZAAND/BI
             1 INFLUENZAB/BI
             1 INFLUENZAD/BI
          6940 INFLUENZAE/BI
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                BI OR INFLUENZAB/BI OR INFLUENZAD/BI OR INFLUENZAE/BI)

=> s l15 and l9
L16           1 L15 AND L9

=> d l16

L16  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2001:208067  CAPLUS
DN   134:242657
TI   Use of CSAIDs (cytokine suppressive antiinflammatory drugs) in rhinovirus
     infection
IN   Dillon, Susan B.; Griego, Sandra D.
PA   Smithkline Beecham Corp., USA
SO   PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2001019322      A2    20010322      WO 2000-US25386  20000915
     WO 2001019322      A3    20011004
         W:  AE, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CZ, DZ, EE, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG,
             MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA,
             US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     EP 1223924         A2    20020724      EP 2000-965060   20000915
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     JP 2003516314      T2    20030513      JP 2001-522960   20000915
     NO 2002001301      A     20020516      NO 2002-1301     20020315
PRAI US 1999-154494P    P     19990917
     WO 2000-US25386    W     20000915


=> s l10 and l15
L17           1 L10 AND L15

=> s l17 ot l16
MISSING OPERATOR L17 OT
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.
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=> s l11 and l15
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=> s l19 not l16
L20          0 L19 NOT L16

=> s l12 and l15
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=> s l21 not l16
L22          0 L21 NOT L16

=> s l13 and l15
L23          1 L13 AND L15

=> s l23 not l22
L24          1 L23 NOT L22

=> d l24 1 all

L24  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2001:208067  CAPLUS
DN   134:242657
TI   Use of CSAIDs (cytokine suppressive antiinflammatory drugs) in rhinovirus
     infection
IN   Dillon, Susan B.; Griego, Sandra D.
PA   Smithkline Beecham Corp., USA
SO   PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
IC   ICM  A61K
CC   63-6 (Pharmaceuticals)
     Section cross-reference(s): 1
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2001019322      A2    20010322      WO 2000-US25386  20000915
     WO 2001019322      A3    20011004
         W:  AE, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CZ, DZ, EE, GE, GH, GM,
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             MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA,
             US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 2000075845      A5    20010417      AU 2000-75845    20000915
     EP 1223924         A2    20020724      EP 2000-965060   20000915
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     JP 2003516314      T2    20030513      JP 2001-522960   20000915
     NO 2002001301      A     20020516      NO 2002-1301     20020315
PRAI US 1999-154494P    P     19990917
     WO 2000-US25386    W     20000915
AB   The present invention is directed to the novel use of a CSBP/p38 kinase
     inhibitor for the treatment of symptoms of the common cold and the
     exacerbation of symptoms assocd. therewith in humans.  The effect of a
     compd. trans-1-(4-hydroxycyclohexyl)-4-(4-fluorophenyl)-5-[(2-
```

methoxy)pyrimidin-4-yl]imidazole on the rhinovirus-induced cytokine prodn. by epithelial cells was examd.

ST cytokine suppressive antiinflammatory respiratory viral infection; CSBPp38 kinase inhibitor respiratory viral infection

IT Drug delivery systems
(aerosols, inhalants; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Bronchi
(chronic bronchitis, treatment of; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Lung, disease
(chronic obstructive, treatment of; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Anti-inflammatory agents
Antiasthmatics
Common cold
Coronavirus
Enterovirus
Human adenovirus
Human parainfluenza virus
Human rhinovirus
Influenza virus
Respiratory syncytial virus
(cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Pneumonia
(cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection assocd. with secondary bacterial infection)

IT Antibiotics
Antihistamines
Decongestants
(cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)

IT Steroids, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)

IT Cytokines
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(inhibitors; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Drug delivery systems
(nasal; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Anti-inflammatory agents
(nonsteroidal; cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)

IT Drug delivery systems
(oral; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Ear
(otitis media, treatment of; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT Respiratory tract
(sinusitis, treatment of; cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)

IT 122476-91-9, SB 106978 152121-47-6, SB203580 186314-96-5 193551-21-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of

rhinovirus infection)
IT 165245-96-5, CSBP/p38 kinase
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)
IT **186610-89-9**, SU 4984 193746-75-7 208260-29-1, ZM 336372
209410-46-8 215303-72-3, RWJ 67657 215306-39-1, RWJ 68354
218162-38-0 219790-72-4 228551-18-6
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cytokine suppressive antiinflammatory drugs (CSAIDs) for treatment of rhinovirus infection)
IT 50-78-2, ASA 53-86-1, Indomethacin 768-94-5, Amantadine 13392-28-4, Rimantadine 36791-04-5, Ribavirin 139110-80-8, Zanamivir
153168-05-9, Pleconaril 196618-13-0, Oseltamivir 223537-30-2, AG 7088
330600-85-6 330600-86-7, BTA 188
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)
IT 9001-67-6, Neuraminidase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(**influenza**, inhibitors; cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)
IT 39391-18-9, Cyclooxygenase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; cytokine suppressive antiinflammatory drugs (CSAIDs) with second therapeutic agents for treatment of rhinovirus infection)

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L25           1 L14 AND L15

=> s l25 not l23
L26           0 L25 NOT L23

=> d his

     (FILE 'HOME' ENTERED AT 10:12:37 ON 23 JUL 2003)

     FILE 'REGISTRY' ENTERED AT 10:12:47 ON 23 JUL 2003
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L2             1 S RWJ 67657
L3             1 S L2
L4             1 S RWJ 68354
L5             1 S ZM 336372
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L8             1 S RPR 200765A

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L9            11 S L1
L10           11 S L2
L11           10 S L4
L12           11 S L5
L13           18 S L7
L14            8 S L8
                 E INFLUENZA
L15       24035 S E3-E9
L16            1 S L15 AND L9
L17            1 S L10 AND L15
L18            0 S L17 NOT L16
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L20             0 S L19 NOT L16
L21             1 S L12 AND L15
L22             0 S L21 NOT L16
L23             1 S L13 AND L15
L24             1 S L23 NOT L22
L25             1 S L14 AND L15
L26             0 S L25 NOT L23

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L9   ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:48203  CAPLUS
DN   139:494
TI   Targeting p38 MAPK inhibits multiple myeloma cell growth in the bone
     marrow milieu
AU   Hideshima, Teru; Akiyama, Masaharu; Hayashi, Toshiaki; Richardson, Paul;
     Schlossman, Robert; Chauhan, Dharminder; Anderson, Kenneth C.
CS   Jerome Lipper Multiple Myeloma Center, Dana-Farber Cancer Institute,
     Boston, MA, 02115, USA
SO   Blood (2003), 101(2), 703-705
     CODEN: BLOOAW; ISSN: 0006-4971
PB   American Society of Hematology
DT   Journal
LA   English
RE.CNT  22    THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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L9   ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:48203  CAPLUS
DN   139:494
TI   Targeting p38 MAPK inhibits multiple myeloma cell growth in the bone
     marrow milieu
AU   Hideshima, Teru; Akiyama, Masaharu; Hayashi, Toshiaki; Richardson, Paul;
     Schlossman, Robert; Chauhan, Dharminder; Anderson, Kenneth C.
CS   Jerome Lipper Multiple Myeloma Center, Dana-Farber Cancer Institute,
     Boston, MA, 02115, USA
SO   Blood (2003), 101(2), 703-705
     CODEN: BLOOAW; ISSN: 0006-4971
PB   American Society of Hematology
DT   Journal
LA   English
RE.CNT  22    THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9   ANSWER 2 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2003:5720  CAPLUS
DN   138:49918
TI   P38 MAPK pathway predicts endocrine-resistant growth of human breast
     cancer and provides a novel diagnostic and treatment target
IN   Osborne, C. Kent; Schiff, Rachel; Shou, Jiang
PA   Baylor College of Medicine, USA
SO   PCT Int. Appl., 31 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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PI WO 2003000189 A2 20030103 WO 2002-US19683 20020621
WO 2003000189 A3 20030320
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2003049660 A1 20030313 US 2002-177296 20020621
PRAI US 2001-299824P P 20010621

L9 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:967181 CAPLUS
DN 138:238104
TI Hybrid-Designed Inhibitors of p38 MAP Kinase Utilizing N-Arylpyridazinones
AU Colletti, Steven L.; Frie, Jessica L.; Dixon, Elizabeth C.; Singh, Suresh B.; Choi, Bernard K.; Scapin, Giovanna; Fitzgerald, Catherine E.; Kumar, Sanjeev; Nichols, Elizabeth A.; O'Keefe, Stephen J.; O'Neill, Edward A.; Porter, Gene; Samuel, Koppara; Schmatz, Dennis M.; Schwartz, Cheryl D.; Shoop, Wesley L.; Thompson, Chris M.; Thompson, James E.; Wang, Ruixiu; Woods, Andrea; Zaller, Dennis M.; Doherty, James B.
CS Merck Research Laboratories, Merck Co. Inc., Rahway, NJ, 07065, USA
SO Journal of Medicinal Chemistry (2003), 46(3), 349-352
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:238104
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:943601 CAPLUS
DN 139:46382
TI p38 MAP kinase inhibitors. Part 1: design and development of a new class of potent and highly selective inhibitors based on 3,4-dihydropyrido[3,2-d]pyrimidone scaffold
AU Natarajan, Swaminathan R.; Wisnoski, David D.; Singh, Suresh B.; Stelmach, John E.; O'Neill, Edward A.; Schwartz, Cheryl D.; Thompson, Chris M.; Fitzgerald, Catherine E.; O'Keefe, Stephen J.; Kumar, Sanjeev; Hop, Cornelis E. C. A.; Zaller, Dennis M.; Schmatz, Dennis M.; Doherty, James B.
CS Department of Medicinal Chemistry, Merck Research Laboratories, Rahway, NJ, 07065, USA
SO Bioorganic & Medicinal Chemistry Letters (2003), 13(2), 273-276
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:594816 CAPLUS
DN 137:135120
TI Use of CSBP/p38 inhibitors for the treatment of inflammation-enhanced cough
IN Griswold, Don E.; Underwood, David C.

PA Smithkline Beecham Corporation, USA
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002060869	A2	20020808	WO 2001-US50629	20011019
WO 2002060869	A3	20030103		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-241564P P 20001019

L9 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:314904 CAPLUS
DN 136:319434
TI Use of p38 inhibitors for the treatment of smoke inhalation
IN Griswold, Don E.; Underwood, David C.
PA Smithkline Beecham Corporation, USA
SO PCT Int. Appl., 15 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002032862	A2	20020425	WO 2001-US50429	20011019
WO 2002032862	A3	20020822		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-241568P P 20001019

L9 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:715509 CAPLUS
DN 136:395082
TI VX-745, Vertex Pharmaceuticals
AU Haddad, John J.
CS Tayside Institute of Child Health, Faculty of Medicine, Dentistry & Nursing, Ninewells Hospital and Medical School, University of Dundee, Dundee, DD1 9SY, UK
SO Current Opinion in Investigational Drugs (PharmaPress Ltd.) (2001), 2(8), 1070-1076
CODEN: COIDAZ
PB PharmaPress Ltd.
DT Journal; General Review
LA English
RE.CNT 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:208067 CAPLUS
DN 134:242657
TI Use of CSAIDs (cytokine suppressive antiinflammatory drugs) in rhinovirus infection
IN Dillon, Susan B.; Griego, Sandra D.
PA Smithkline Beecham Corp., USA
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001019322	A2	20010322	WO 2000-US25386	20000915
	WO 2001019322	A3	20011004		
	W: AE, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CZ, DZ, EE, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2000075845	A5	20010417	AU 2000-75845	20000915
	EP 1223924	A2	20020724	EP 2000-965060	20000915
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003516314	T2	20030513	JP 2001-522960	20000915
	NO 2002001301	A	20020516	NO 2002-1301	20020315
PRAI	US 1999-154494P	P	19990917		
	WO 2000-US25386	W	20000915		

L9 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:65674 CAPLUS
DN 135:101738
TI Potential of p38 inhibitors in the treatment of rheumatoid arthritis
AU Foster, Martyn L.; Halley, Frank; Souness, John E.
CS Respiratory RA Disease Group (Mailstop G303), Aventis Pharma, P.O. Box 6800, Route 202-206, Bridgewarter, NJ, 08807-0800, USA
SO Drug News & Perspectives (2000), 13(8), 488-497
CODEN: DNPEED; ISSN: 0214-0934
PB Prous Science
DT Journal; General Review
LA English
RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:192641 CAPLUS
DN 133:83650
TI VX-745 Vertex Pharmaceuticals
AU Ferraccioli, G. F.
CS Department of Internal Medicine, School of Medicine of Udine, Udine, Italy
SO Current Opinion in Anti-Inflammatory and Immunomodulatory Investigational Drugs (2000), 2(1), 74-77
CODEN: COAIFF; ISSN: 1464-8474
PB PharmaPress Ltd.
DT Journal; General Review
LA English

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L9   ANSWER 11 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   1998:424256  CAPLUS
DN   129:81749
TI   Preparation of annelated pyrimidinones and analogs as p38 kinase
     inhibitors
IN   Bemis, Guy W.; Salituro, Francesco Gerald; Duffy, John Patrick; Cochran,
     John E.; Harrington, Edmund Martin; Murcko, Mark A.; et al.
PA   Vertex Pharmaceuticals Inc., USA
SO   PCT Int. Appl., 131 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
     ---------------    ----  --------      ---------------   --------
PI   WO 9827098          A1   19980625      WO 1997-US23392   19971217
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
             FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
             GA, GN, ML, MR, NE, SN, TD, TG
     US 5945418          A    19990831      US 1997-822373    19970320
     US 6147080          A    20001114      US 1997-862925    19970610
     AU 9856105          A1   19980715      AU 1998-56105     19971217
     AU 738000           B2   20010906
     EP 951467           A1   19991027      EP 1997-952517    19971217
     EP 951467           B1   20030402
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     CN 1244867          A    20000216      CN 1997-181382    19971217
     BR 9714415          A    20000418      BR 1997-14415     19971217
     NZ 336146           A    20000929      NZ 1997-336146    19971217
     JP 2001506266       T2   20010515      JP 1998-527975    19971217
     AT 236165           E    20030415      AT 1997-952517    19971217
     NO 9902960          A    19990817      NO 1999-2960      19990617
PRAI US 1996-34288P      P    19961218
     US 1997-822373      A    19970320
     US 1997-862925      A2   19970610
     WO 1997-US23392     W    19971217
OS   MARPAT 129:81749
RE.CNT  2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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     FILE 'REGISTRY' ENTERED AT 10:12:47 ON 23 JUL 2003
L1             1 S VX 745
L2             1 S RWJ 67657
L3             1 S L2
L4             1 S RWJ 68354
L5             1 S ZM 336372
L6             1 S L5
L7             1 S SU 4984
L8             1 S RPR 200765A

     FILE 'CAPLUS' ENTERED AT 10:16:20 ON 23 JUL 2003
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L9            11 S L1
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L12           11 S L5
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L14            8 S L8
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L15        24035 S E3-E9
L16            1 S L15 AND L9
L17            1 S L10 AND L15
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L21            1 S L12 AND L15
L22            0 S L21 NOT L16
L23            1 S L13 AND L15
L24            1 S L23 NOT L22
L25            1 S L14 AND L15
L26            0 S L25 NOT L23

=> d l10 11

L10  ANSWER 11 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   1998:709071  CAPLUS
DN   129:330728
TI   Preparation of substituted imidazoles useful in the treatment of
     inflammatory diseases
IN   Beers, Scott A.; Malloy, Elizabeth; Wachter, Michael P.; Wu, Wei
PA   Ortho-McNeil Corporation, Inc., USA
SO   PCT Int. Appl., 50 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   WO 9847892          A1   19981029      WO 1998-US7910   19980417
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
             LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ,
             VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, ML, MR, NE, SN, TD, TG
     AU 9871382          A1   19981113      AU 1998-71382    19980417
     US 5965583          A    19991012      US 1998-62304    19980417
     BR 9808998          A    20000808      BR 1998-8998     19980417
     EP 1028954          A1   20000823      EP 1998-918463   19980417
     EP 1028954          B1   20030702
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     NZ 500447           A    20010928      NZ 1998-500447   19980417
     JP 2001522357       T2   20011113      JP 1998-546231   19980417
     ZA 9803451          A    19991025      ZA 1998-3451     19980423
     US 6214830          B1   20010410      US 1999-295156   19990420
     NO 9905095          A    19991209      NO 1999-5095     19991019
     MX 9909811          A    20000731      MX 1999-9811     19991025
     US 6521655          B1   20030218      US 2000-705508   20001103
PRAI US 1997-44252P      P    19970424
     US 1998-62304       A3   19980417
     WO 1998-US7910      W    19980417
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US 1999-295156 A3 19990420
OS MARPAT 129:330728
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l11 10 all

L11 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:636331 CAPLUS
DN 130:20195
TI 6-Amino-2-(4-fluorophenyl)-4-methoxy-3- (4-pyridyl)-1H-pyrrolo[2,3-b]pyridine (RWJ 68354): A Potent and Selective p38 Kinase Inhibitor
AU Henry, James R.; Rupert, Kenneth C.; Dodd, John H.; Turchi, Ignatius J.; Wadsworth, Scott A.; Cavender, Druie E.; Fahmy, Bohumila; Olini, Gilbert C.; Davis, Janet E.; Pellegrino-Gensey, J. Lee; Schafer, Peter H.; Siekierka, John J.
CS The R.W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA
SO Journal of Medicinal Chemistry (1998), 41(22), 4196-4198
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
CC 1-3 (Pharmacology)
Section cross-reference(s): 28
OS CASREACT 130:20195
AB The authors showed RWJ 68354 (I) to be a potent inhibitor of cellular p38 kinase activity (9 nM), LPS-stimulated tumor necrosis factor-.alpha. (TNF-.alpha.)/interleukin-1.beta. (IL-1.beta.) prodn. from human peripheral blood mononuclear cells (6.3 nM/26 nM) and LPS-induced TNF-.alpha. prodn. in mice (ED50 < 10 mg/kg) and in rats (ED50 < 25 mg/kg). I was shown to directly inhibit natural activated p38 and partially activated p38 kinase. Structure-activity relations of I with some analogs is described. Thus, I is a promising candidate for further preclin. evaluation.
ST RWJ 68354 p38 kinase inhibitor tumor necrosis factor release; interleukin 1 release RWJ 68354 p38 kinase inhibitor
IT Interleukin 1.beta.
Tumor necrosis factors
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT Structure-activity relationship
(enzyme-inhibiting, p38 kinase-inhibiting; 6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT 208104-11-4P **215306-39-1P** 215307-08-7P 215307-19-0P
215307-20-3P 215307-22-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)
IT 152121-47-6, SB 203580

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)

IT 165245-96-5, p38 Kinase
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)

IT 141-86-6, 2,6-Diaminopyridine 18960-98-0, 2,6-Diamino-4-methoxypyridine 152122-41-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 6-amino(4-fluorophenyl)methoxy 4-pyridyl-1H-pyrrolo[b]pyridine (RWJ 68354) as potent and selective p38 kinase inhibitor which releases tumor necrosis factor-.alpha. and interleukin-1.beta. and structure-activity relations)

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Badger, A; J Pharmacol Exp Ther 1996, V279, P1453 CAPLUS
(2) Brennan, F; Curr Opin Immunol 1996, V8, P872 CAPLUS
(3) Camussi, G; Drugs 1998, V55, P613 CAPLUS
(4) Gallagher, T; Bioorg Med Chem 1997, V5, P49 CAPLUS
(5) Gallagher, T; Bioorg Med Chem Lett 1995, V5, P1171 CAPLUS
(6) Han, J; Science 1994, V265, P808 CAPLUS
(7) Henry, J; to be published in Tetrahedron Lett 1998, V39
(8) Krump, E; J Biol Chem 1997, V272, P937 CAPLUS
(9) Lee, J; Nature 1994, V372, P739 CAPLUS
(10) Markees, D; J Med Chem 1968, V11, P126 CAPLUS
(11) Murray, J; J Org Chem 1991, V56, P3734 CAPLUS
(12) Sawar, A; Drugs Today 1997, V33, P299 CAPLUS
(13) Wavefunction, Inc; Spartan version 5.0
(14) Wilson, K; Chem Biol 1997, V4, P423 CAPLUS

=> d l11 7 8 9

L11 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:812377 CAPLUS
DN 130:177125
TI Potent inhibitors of the MAP kinase p38

AU Henry, James R.; Rupert, Kenneth C.; Dodd, John H.; Turchi, Ignatius J.; Wadsworth, Scott A.; Cavender, Druie E.; Schafer, Peter H.; Siekierka, John J.
CS Drug Discovery, The R. W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA

SO Bioorganic & Medicinal Chemistry Letters (1998), 8(23), 3335-3340
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:764924 CAPLUS
DN 130:95495
TI Synthesis of RWJ 68354: a potent inhibitor of the MAP kinase p38

AU Henry, James R.; Dodd, John H.
CS The R. W. Johnson Pharmaceutical Research Institute, Raritan, NJ, 08869, USA
SO Tetrahedron Letters (1998), 39(48), 8763-8764
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:709078 CAPLUS
DN 129:330657
TI Preparation of substituted pyrrolopyridines for the treatment of inflammatory diseases
IN Dodd, John H.; Henry, James R.; Rupert, Kenneth
PA Ortho-McNeil Corporation, Inc., USA
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9847899	A1	19981029	WO 1998-US7831	19980417
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9871329	A1	19981113	AU 1998-71329	19980417
	ZA 9803452	A	19991025	ZA 1998-3452	19980423
PRAI	US 1997-44244P	P	19970424		
	WO 1998-US7831	W	19980417		

OS MARPAT 129:330657
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l12 8-11

L12 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:753201 CAPLUS
DN 131:351089
TI Preparation of N-[(arylcarbonylamino)phenyl)benzamides and analogs as p38 kinase inhibitors
IN Brown, Dearg Sutherland; Brown, George Robert
PA Zeneca Limited, UK
SO PCT Int. Appl., 158 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9959959	A1	19991125	WO 1999-GB1489	19990511
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,				

JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	CA 2328927	AA	19991125	CA 1999-2328927	19990511
	AU 9939399	A1	19991206	AU 1999-39399	19990511
	AU 749293	B2	20020620		
	BR 9910474	A	20010102	BR 1999-10474	19990511
	EP 1077931	A1	20010228	EP 1999-922290	19990511
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002515476	T2	20020528	JP 2000-549578	19990511
	NZ 507144	A	20021025	NZ 1999-507144	19990511
	US 6579872	B1	20030617	US 2000-674560	20001102
	NO 2000005767	A	20001114	NO 2000-5767	20001114
PRAI	GB 1998-10357	A	19980515		
	GB 1998-22483	A	19981016		
	WO 1999-GB1489	W	19990511		

OS MARPAT 131:351089
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:548434 CAPLUS
DN 131:295225
TI Paradoxical activation of raf by a novel raf inhibitor
AU Hall-Jackson, Clare A.; Eyers, Patrick A.; Cohen, Philip; Goedert, Michel; Boyle, F. Tom; Hewitt, Neil; Plant, Helen; Hedge, Philip
CS MRC Protein Phosphorylation Unit, Department of Biochemistry, University of Dundee, Dundee, DD1 5EH, UK
SO Chemistry & Biology (1999), 6(8), 559-568
CODEN: CBOLE2; ISSN: 1074-5521
PB Current Biology Publications
DT Journal
LA English
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:231497 CAPLUS
DN 130:267218
TI Preparation of N,N'-diacyl-1,3-benzenediamines for the treatment of diseases mediated by cytokines.
IN Brown, Dearg Sutherland; Brown, George Robert; Cohen, Philip
PA Zeneca Limited, UK
SO PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9915164	A1	19990401	WO 1998-GB2826	19980917
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				

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            FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
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     CA 2300051        AA   19990401       CA 1998-2300051  19980917
     AU 9890908        A1   19990412       AU 1998-90908    19980917
     AU 739066         B2   20011004
     EP 1017378        A1   20000712       EP 1998-942948   19980917
     EP 1017378        B1   20021211
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     BR 9812364        A    20000919       BR 1998-12364    19980917
     JP 2001517620     T2   20011009       JP 2000-512533   19980917
     NZ 502702         A    20021025       NZ 1998-502702   19980917
     AT 229329         E    20021215       AT 1998-942948   19980917
     ZA 9808686        A    19990323       ZA 1998-8686     19980922
     US 6498274        B1   20021224       US 2000-508055   20000307
     NO 2000001472     A    20000322       NO 2000-1472     20000322
PRAI GB 1997-20120     A    19970923
     GB 1998-10355     A    19980515
     WO 1998-GB2826    W    19980917
OS   MARPAT 130:267218
RE.CNT  3     THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12  ANSWER 11 OF 11  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   1998:351755  CAPLUS
DN   129:45323
TI   Benzamides as Raf kinase inhibitors
IN   Hedge, Philip John; Boyle, Francis Thomas
PA   Zeneca Ltd., UK; Hedge, Philip John; Boyle, Francis Thomas
SO   PCT Int. Appl., 38 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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PI   WO 9822103         A1   19980528       WO 1997-GB3102   19971112
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
             KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
             US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
             GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
             GN, ML, MR, NE, SN, TD, TG
     AU 9749562        A1   19980610       AU 1997-49562    19971112
     EP 941084         A1   19990915       EP 1997-912325   19971112
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     JP 2001504478     T2   20010403       JP 1998-523316   19971112
     ZA 9710314        A    19980518       ZA 1997-10314    19971114
     NO 9902336        A    19990514       NO 1999-2336     19990514
PRAI GB 1996-23833     A    19961116
     WO 1997-GB3102    W    19971112
OS   MARPAT 129:45323
RE.CNT  2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d l13 15-18

L13  ANSWER 15 OF 18  CAPLUS  COPYRIGHT 2003 ACS on STN
```

AN 1998:151222 CAPLUS
DN 128:164361
TI Crystal structures of a protein tyrosine kinase
IN Mohammadi, Moosa; Li, Sun; Liang, Congxin; Schlessinger, Joseph; Hubbard, Stevan R.; McMahon, Gerald; Tang, Peng C.
PA Sugen, Inc., USA; Mohammadi, Moosa; Li, Sun; Liang, Congxin; Schlessinger, Joseph; Hubbard, Stevan R.; McMahon, Gerald; Tang, Peng C.
SO PCT Int. Appl., 493 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9807835	A2	19980226	WO 1997-US14885	19970821
	WO 9807835	A3	19981001		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5942428	A	19990824	US 1996-701191	19960821
	AU 9741603	A1	19980306	AU 1997-41603	19970821
	EP 931152	A2	19990728	EP 1997-939534	19970821
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001514484	T2	20010911	JP 1998-511036	19970821
PRAI	US 1996-701191	A	19960821		
	US 1996-34168P	P	19961219		
	WO 1997-US14885	W	19970821		

OS MARPAT 128:164361

L13 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:147306 CAPLUS
DN 128:204803
TI Indolinone combinatorial libraries and related products and methods for the treatment of disease
IN Tang, Peng Cho; Sun, Li; McMahon, Gerald; Hirth, Klaus Peter; Shawver, Laura Kay; et al.
PA Sugen, Inc., USA; Tang, Peng Cho; Sun, Li; McMahon, Gerald
SO PCT Int. Appl., 293 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9807695	A1	19980226	WO 1997-US14736	19970820
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CN 1155838	A	19970730	CN 1996-190616	19960605
	EP 929520	A1	19990721	EP 1997-939480	19970820
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, FI

	US 6147106	A	20001114	US 1997-915366	19970820
	JP 2001503736	T2	20010321	JP 1998-510973	19970820
	EP 1247803	A2	20021009	EP 2002-77564	19970820
	EP 1247803	A3	20021016		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

	AU 9741556	A1	19980306	AU 1997-41556	19970821
	US 2002022626	A1	20020221	US 2000-617529	20000713
	US 2003108946	A1	20030612	US 2002-76621	20020219
PRAI	US 1996-702232	A	19960823		
	US 1996-31585P	P	19961205		
	US 1996-31586P	P	19961205		
	US 1996-31588P	P	19961205		
	US 1996-32546P	P	19961205		
	US 1996-32547P	P	19961205		
	US 1997-45565P	P	19970505		
	US 1997-45566P	P	19970505		
	US 1997-45714P	P	19970505		
	US 1997-45715P	P	19970505		
	US 1997-46843P	P	19970505		
	US 1996-45715P	P	19961205		
	US 1997-31565P	P	19970505		
	EP 1997-939480	A3	19970820		
	US 1997-915366	A3	19970820		
	WO 1997-US14736	W	19970820		
	US 2000-617529	B1	20000713		

OS MARPAT 128:204803
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1997:322412 CAPLUS
DN 127:44439
TI Structure of the tyrosine kinase domain of fibroblast growth factor receptor in complex with inhibitors
AU Mohammadi, Moosa; McMahon, Gerald; Sun, Li; Tang, Cho; Hirth, Peter; Yeh, Brian K.; Hubbard, Stevan R.; Schlessinger, Joseph
CS Dep. Pharmacology, New York Univ. Med. Center, New York, NY, 10016, USA
SO Science (Washington, D. C.) (1997), 276(5314), 955-960
CODEN: SCIEAS; ISSN: 0036-8075
PB American Association for the Advancement of Science
DT Journal
LA English

L13 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1997:140244 CAPLUS
DN 126:139901
TI Indolinone compounds capable of modulating tyrosine kinase signal transduction
IN Tang, Peng Cho; Sun, Li; Mcmahon, Gerald
PA Sugen, Inc., USA
SO PCT Int. Appl., 133 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9640116	A1	19961219	WO 1996-US8903	19960605

W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MX,

NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, AM, AZ, BY
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

	US 5880141	A	19990309	US 1995-485323	19950607
	CA 2192797	AA	19961219	CA 1996-2192797	19960605
	AU 9660441	A1	19961230	AU 1996-60441	19960605
	AU 706597	B2	19990617		
	EP 769947	A1	19970502	EP 1996-918093	19960605
	EP 769947	B1	20010502		
	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	BR 9606410	A	19971230	BR 1996-6410	19960605
	JP 10504323	T2	19980428	JP 1996-501363	19960605
	EP 934931	A2	19990811	EP 1999-103667	19960605
	EP 934931	A3	19991020		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI				
	JP 2000026412	A2	20000125	JP 1999-159567	19960605
	AT 200863	E	20010515	AT 1996-918093	19960605
	ES 2159741	T3	20011016	ES 1996-918093	19960605
	JP 3231044	B2	20011119	JP 1997-501363	19960605
	NO 9605377	A	19970212	NO 1996-5377	19961213
	HK 1011933	A1	20020118	HK 1998-113193	19981211
	US 2002022626	A1	20020221	US 2000-617529	20000713
	US 2003108946	A1	20030612	US 2002-76621	20020219
PRAI	US 1995-485323	A	19950607		
	EP 1996-918093	A3	19960605		
	JP 1997-501363	A3	19960605		
	WO 1996-US8903	W	19960605		
	US 1997-915366	A3	19970820		
	US 2000-617529	B1	20000713		

OS MARPAT 126:139901

=> d l14 6-8

L14 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:162896 CAPLUS
DN 135:14047
TI The discovery of RPR200765A, a p38 MAP kinase inhibitor displaying a good oral anti-arthritic efficacy
AU McLay, I. M.; Halley, F.; Souness, J. E.; McKenna, J.; Benning, V.; Birrell, M.; Burton, B.; Belvisi, M.; Collis, A.; Constan, A.; Foster, M.; Hele, D.; Jayyosi, Z.; Kelley, M.; Maslen, C.; Miller, G.; Ouldelhkim, M.-C.; Page, K.; Phipps, S.; Pollock, K.; Porter, B.; Ratcliffe, A. J.; Redford, E. J.; Webber, S.; Slater, B.; Thybaud, V.; Wilsher, N.
CS Aventis, Dagenham Research Centre, Dagenham, Essex, RM10 7XS, UK
SO Bioorganic & Medicinal Chemistry (2001), 9(2), 537-554
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Science Ltd.
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:65674 CAPLUS
DN 135:101738
TI Potential of p38 inhibitors in the treatment of rheumatoid arthritis
AU Foster, Martyn L.; Halley, Frank; Souness, John E.

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CS    Respiratory RA Disease Group (Mailstop G303), Aventis Pharma, P.O. Box
      6800, Route 202-206, Bridgewarter, NJ, 08807-0800, USA
SO    Drug News & Perspectives (2000), 13(8), 488-497
      CODEN: DNPEED; ISSN: 0214-0934
PB    Prous Science
DT    Journal; General Review
LA    English
RE.CNT  64    THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14   ANSWER 8 OF 8  CAPLUS  COPYRIGHT 2003 ACS on STN
AN    1999:7994  CAPLUS
DN    130:66503
TI    Preparation of imidazolyl-cyclic acetals as TNF-alpha inhibitor
IN    Bamborough, Paul Lindsay; Collis, Alan John; Halley, Frank; Lewis, Richard
      Alan; Lythgoe, David John; McKenna, Jeffrey Mark; Mclay, Iain Mcfarlane;
      Porter, Barry; Ratcliffe, Andrew James; Wallace, Paul Andrew
PA    Rhone-Poulenc Rorer Limited, UK
SO    PCT Int. Appl., 292 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI    WO 9856788          A1   19981217      WO 1998-GB1711   19980612
          W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
              DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
              KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
              NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
              UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
              FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
              CM, GA, GN, ML, MR, NE, SN, TD, TG
      AU 9879259          A1   19981230      AU 1998-79259    19980612
      AU 742293           B2   20011220
      ZA 9805148          A    19991213      ZA 1998-5148     19980612
      EP 988301           A1   20000329      EP 1998-929548   19980612
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,
              SI, LV, FI, RO
      BR 9810007          A    20000815      BR 1998-10007    19980612
      JP 2002503245       T2   20020129      JP 1999-501908   19980612
      NO 9906120          A    20000124      NO 1999-6120     19991210
      MX 9911515          A    20000430      MX 1999-11515    19991210
PRAI  GB 1997-12270       A    19970612
      US 1997-52185P      P    19970710
      GB 1997-24678       A    19971121
      US 1998-85499P      P    19980514
      WO 1998-GB1711      W    19980612
OS    MARPAT 130:66503
RE.CNT  15    THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> e rhino
E1            2     RHINNORHEA/BI
E2            2     RHINNS/BI
E3          781 --> RHINO/BI
E4            1     RHINOANAL/BI
E5            1     RHINOANALYSTS/BI
E6            2     RHINOBATIDIS/BI
E7            2     RHINOBATIS/BI
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E8            2      RHINOBATOID/BI
E9           23      RHINOBATOS/BI
E10           6      RHINOBATUS/BI
E11           2      RHINOBOTHRYUM/BI
E12           1      RHINOBRONCHIAL/BI

=> e rhinovirus
E1            1      RHINOVIRIONS/BI
E2            2      RHINOVIRUCIDE/BI
E3         1610 --> RHINOVIRUS/BI
E4            1      RHINOVIRUS14/BI
E5            1      RHINOVIRUSE/BI
E6          394      RHINOVIRUSES/BI
E7            1      RHINOXILIN/BI
E8            1      RHINS/BI
E9            1      RHINSULIN/BI
E10           1      RHINTIS/BI
E11           1      RHINUC/BI
E12           1      RHINUM/BI

=> se3-e6
SE3-E6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s e3-e6
          1610 RHINOVIRUS/BI
             1 RHINOVIRUS14/BI
             1 RHINOVIRUSE/BI
           394 RHINOVIRUSES/BI
L27       1717 (RHINOVIRUS/BI OR RHINOVIRUS14/BI OR RHINOVIRUSE/BI OR RHINOVIRU
               SES/BI)

=> s l27 and l9
L28           1 L27 AND L9

=> d l28

L28  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2001:208067  CAPLUS
DN   134:242657
TI   Use of CSAIDs (cytokine suppressive antiinflammatory drugs) in
     rhinovirus infection
IN   Dillon, Susan B.; Griego, Sandra D.
PA   Smithkline Beecham Corp., USA
SO   PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2001019322       A2   20010322      WO 2000-US25386  20000915
     WO 2001019322       A3   20011004
          W:  AE, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CZ, DZ, EE, GE, GH, GM,
              HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG,
              MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA,
              US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
              DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
              CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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     AU 2000075845     A5   20010417       AU 2000-75845    20000915
     EP 1223924        A2   20020724       EP 2000-965060   20000915
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     JP 2003516314     T2   20030513       JP 2001-522960   20000915
     NO 2002001301     A    20020516       NO 2002-1301     20020315
PRAI US 1999-154494P   P    19990917
     WO 2000-US25386   W    20000915


=> d l27 and l10
L10 IS NOT VALID HERE
For an explanation, enter "HELP DISPLAY".

=> s l27 and l10
L29           1 L27 AND L10

=> d l29

L29  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS on STN
AN   2001:208067  CAPLUS
DN   134:242657
TI   Use of CSAIDs (cytokine suppressive antiinflammatory drugs) in
     rhinovirus infection
IN   Dillon, Susan B.; Griego, Sandra D.
PA   Smithkline Beecham Corp., USA
SO   PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   WO 2001019322      A2   20010322       WO 2000-US25386  20000915
     WO 2001019322      A3   20011004
         W:  AE, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CZ, DZ, EE, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG,
             MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, TZ, UA,
             US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 2000075845     A5   20010417       AU 2000-75845    20000915
     EP 1223924        A2   20020724       EP 2000-965060   20000915
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL
     JP 2003516314     T2   20030513       JP 2001-522960   20000915
     NO 2002001301     A    20020516       NO 2002-1301     20020315
PRAI US 1999-154494P   P    19990917
     WO 2000-US25386   W    20000915


=> d his

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     FILE 'REGISTRY' ENTERED AT 10:12:47 ON 23 JUL 2003
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L2            1 S RWJ 67657
L3            1 S L2
L4            1 S RWJ 68354
L5            1 S ZM 336372
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L6             1 S L5
L7             1 S SU 4984
L8             1 S RPR 200765A

     FILE 'CAPLUS' ENTERED AT 10:16:20 ON 23 JUL 2003
L9            11 S L1
L10           11 S L2
L11           10 S L4
L12           11 S L5
L13           18 S L7
L14            8 S L8
                E INFLUENZA
L15        24035 S E3-E9
L16            1 S L15 AND L9
L17            1 S L10 AND L15
L18            0 S L17 NOT L16
L19            1 S L11 AND L15
L20            0 S L19 NOT L16
L21            1 S L12 AND L15
L22            0 S L21 NOT L16
L23            1 S L13 AND L15
L24            1 S L23 NOT L22
L25            1 S L14 AND L15
L26            0 S L25 NOT L23
                E RHINO
                E RHINOVIRUS
L27         1717 S E3-E6
L28            1 S L27 AND L9
L29            1 S L27 AND L10

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---Logging off of STN---


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Executing the logoff script...


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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                    67.55     147.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -1.30      -1.30

STN INTERNATIONAL LOGOFF AT 10:34:56 ON 23 JUL 2003
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L3	1	S	L2
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L5	1	S	ZM 336372
L6	1	S	L5
L7	1	S	SU 4984
L8	1	S	RPR 200765A

FILE 'CAPLUS' ENTERED AT 10:16:20 ON 23 JUL 2003

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L10	11	S	L2
L11	10	S	L4
L12	11	S	L5
L13	18	S	L7
L14	8	S	L8
		E	INFLUENZA
L15	24035	S	E3-E9
L16	1	S	L15 AND L9
L17	1	S	L10 AND L15
L18	0	S	L17 NOT L16
L19	1	S	L11 AND L15
L20	0	S	L19 NOT L16
L21	1	S	L12 AND L15
L22	0	S	L21 NOT L16
L23	1	S	L13 AND L15
L24	1	S	L23 NOT L22
L25	1	S	L14 AND L15
L26	0	S	L25 NOT L23